

American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005



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weekly statistical bulletin

STATISTICS DEPARTMENT

VOL. 65

For Week Ended

February 24, 1984

NO. 8

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 02/24/84	Last Week Ending: 02/17/84	Last Year Week Ending: 02/25/83	Change From Last Week	Change From Last Year
<u>Refinery Operations</u>					
Input to crude oil distillation units	12,407	12,121	11,120	286	1,287
Operable capacity	16,309	16,309	16,814	0	-505
Percent operated	76.1	74.3	66.1		
<u>Motor Gasoline</u>					
Total motor gasoline production	6,333	6,302	5,869	31	464
Finished leaded motor gasoline production	2,612	2,597	2,633	15	-21
Finished unleaded motor gasoline production	3,721	3,705	3,236	16	485
Total motor gasoline stocks	236,360	230,559	252,273	5,801	-15,913
Finished leaded motor gasoline stocks	96,391	94,149	103,984	2,242	-7,593
Finished unleaded motor gasoline stocks	97,433	94,322	100,251	3,111	-2,818
<u>Distillate Fuel Oil</u>					
Distillate fuel oil production	2,822	3,001	2,163	-179	659
Distillate fuel oil stocks	130,755	125,440	152,661	5,315	-21,906
<u>Residual Fuel Oil</u>					
Residual fuel oil production	1,001	1,088	904	-87	97
Residual fuel oil stocks	49,947	47,130	55,128	2,817	-5,181
<u>Imports</u>					
Crude oil imports	3,338	3,463	1,772	-125	1,566
Product imports	2,364	2,189	1,915	175	449
<u>Crude Oil Stocks</u>					
Crude oil stocks	335,860	341,211	365,351	-5,351	-29,491

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 289-6949

NA-Not Available

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VOL. 65 For Week Ended February 24, 1984 NO. 8

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Oper- ated
East Coast	1,152	1,024	1,058	1,229	86.1
Appal. No. 1	75	71	71	177	40.1
DISTRICT 1 TOTAL	1,227	1,095	1,129	1,406	80.3
Appal. No. 2	61	55	60	66	90.9
Ind., Ill., Ky.	1,903*	1,843	1,861	2,345	79.4
Minn., Wis., Daks.	295	278	289	296	97.6
Okla., Kans., Mo.	631	559	569	827	68.8
DISTRICT 2 TOTAL	2,890*	2,735	2,779	3,534	78.6
Inland Texas	579	516	541	585	92.5
Texas Gulf Coast	3,290	3,041	3,112	3,907	79.7
La. Gulf Coast	2,200	1,987	2,017	2,890	69.8
N. La. and Ark.	209	192	192	286	67.1
New Mexico	107	90	90	105	85.7
DISTRICT 3 TOTAL	6,385	5,826	5,952	7,773	76.6
DISTRICT 4 TOTAL	419	406	411	536	76.7
DISTRICT 5 TOTAL	2,353	2,101	2,136	3,060	69.8
TOTAL U.S.	13,274	12,163	12,407	16,309	76.1
TOTAL U.S.					
Weeks Ended:					
FEB. 17, 1984	12,972*	11,890	12,121	16,309	74.3
FEB. 25, 1983	11,911	10,776	11,120	16,814	66.1
DISTRICTS 1-4					
Weeks Ended:					
FEB. 24, 1984	10,921	10,062	10,271	13,249	77.5
FEB. 17, 1984	10,597*	9,730	9,951	13,249	75.1
FEB. 25, 1983	9,828	8,745	9,064	13,731	66.0

* See revisions on page 7.

API WEEKLY STATISTICAL BULLETIN
Week Ended February 24, 1984

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type		
East Coast	574	206	368	10	24	287	130
Appal. No. 1	28	9	19	--	--	19	4
DISTRICT 1 TOTAL	602	215	387	10	24	306	134
Appal. No. 2	36	15	21	3	--	12	2
Ind., Ill., Ky.	1,109	466	643	8	147	426	66
Minn., Wis., Daks.	153	77	76	3	26	61	9
Okla., Kans., Mo.	374	190	184	9	8	162	13
DISTRICT 2 TOTAL	1,672	748	924	23	181	661	90
Inland Texas	295	149	146	31	25	117	18
Texas Gulf Coast	1,439	524	915	36	199	749	265
La. Gulf Coast	1,068	362	706	12	247	435	110
N. La. and Ark.	67	30	37	4	--	63	12
New Mexico	41	23	18	16	2	28	3
DISTRICT 3 TOTAL	2,910	1,088	1,822	99	473	1,392	408
DISTRICT 4 TOTAL	229	127	102	14	28	99	6
DISTRICT 5 TOTAL	920	434	486	77	223	364	363
TOTAL U.S.	6,333	2,612	3,721	223	929	2,822	1,001
TOTAL U.S.							
Weeks Ended:							
FEB. 17, 1984	6,302	2,597	3,705	214	963	3,001	1,088
FEB. 25, 1983	5,869	2,633	3,236	183	727	2,163	904
DISTRICTS 1-4							
Weeks Ended:							
FEB. 24, 1984	5,413	2,178	3,235	146	706	2,458	638
FEB. 17, 1984	5,360	2,210	3,150	159	722	2,607	687
FEB. 25, 1983	4,975	2,259	2,716	140	560	1,852	611

¹Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.

²Includes Grade No. 4 fuel oil.

NA-Not Available

API WEEKLY STATISTICAL BULLETIN
Week Ended February 24, 1984

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline			Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	5,917	2,946	2,971	--	143	570	7,809	2,322	--
Central Atlantic	32,362	13,024	15,344	3,994	326	4,588	30,786	19,070	11,541
Lower Atlantic	27,205	13,565	13,303	337	226	3,675	12,737	2,840	518
DISTRICT 1 TOTAL	65,484	29,535	31,618	4,331	695	8,833	51,332	24,232	12,059
DISTRICT 2 TOTAL	66,248	29,237	28,312	8,699	1,139	7,231	38,141	4,190	16,381
DISTRICT 3 TOTAL	66,397	23,601	24,405	18,391	2,438	10,455	28,022	11,936	47,988
DISTRICT 4 TOTAL	8,125	3,672	2,147	2,306	294	602	3,005	384	2,464
DISTRICT 5 TOTAL	30,106	10,346	10,951	8,809	1,618	5,670	10,255	9,205	25,976
TOTAL U.S.	236,360	96,391	97,433	42,536	6,184	32,791	130,755	49,947	104,868
TOTAL U.S.									
Weeks Ended:									
FEB. 17, 1984	230,559	94,149	94,322	42,088	5,976	31,719	125,440	47,130	103,899
FEB. 25, 1983	252,273	103,984	100,251	48,038	7,308	34,191	152,661	55,128	109,651
DISTRICTS 1-4									
Weeks Ended:									
FEB. 24, 1984	206,254	86,045	86,482	33,727	4,566	27,121	120,500	40,742	78,892
FEB. 17, 1984	201,458	84,328	83,519	33,611	4,563	26,042	115,079	38,862	78,052
FEB. 25, 1983	221,268	93,252	89,690	38,326	5,406	28,301	139,892	45,967	81,806

¹Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

²Includes Grade No. 4 fuel oil.

NA-Not Available

WEEKLY STATISTICAL BULLETIN

Week Ended February 24, 1984

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE),
IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production ¹		Crude Oil Imports ¹		Crude Oil Stocks By Location ¹
	API Monthly	Latest Dept. of Energy Oct. 1983	Total	From Canada	
----- Daily Average -----					
DISTRICTS 1-4 TOTAL					
FEB. 24, 1984	5,800.3	5,895.0	3,131	249	255,300
FEB. 17, 1984	5,800.3	--	3,238	190	255,934
FEB. 10, 1984	5,800.3	--	2,675	272	254,317
FEB. 3, 1984	5,804.3	--	4,041	463	263,078
DISTRICT 5 TOTAL					
FEB. 24, 1984	2,864.0	2,859.0	207	25	80,560 ‡
FEB. 17, 1984	2,864.0	--	225	--	85,277
FEB. 10, 1984	2,864.0	--	197	22	84,363
FEB. 3, 1984	2,871.2	--	107	17	81,483
‡ INCLUDES 23,079 BBLs. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.					
TOTAL U.S.					
FEB. 24, 1984	8,664.3	8,754.0	3,338	274	335,860 ‡
FEB. 17, 1984	8,664.3	--	3,463	190	341,211
FEB. 10, 1984	8,664.3	--	2,872	294	338,680
FEB. 3, 1984	8,675.5	--	4,148	480	344,561
FEB. 25, 1983	8,741.0 /A	--	1,772	210	365,351

/A DOE actual for February 1983.

LOCATION OF CRUDE OIL STOCKS¹

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1-4	District 5	Total U.S.
Weeks Ended:							
FEB. 24, 1984	15,213	73,800	152,566	13,721	255,300	80,560 ‡	335,860 ‡
FEB. 17, 1984	12,624	73,022	156,302	13,986	255,934	85,277	341,211
FEB. 25, 1983	17,449	80,901	165,738	16,176	280,264	85,087	365,351

¹See definitional notes, Page 6.

IMPORTS OF PETROLEUM PRODUCTS
(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	L.P.G.	Unfinished Oil ³	Other	Total
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type						
New England	65	--	65	--	--	110	--	7	--	--	182
Central Atlantic	164	16	148	39	66	256 *	661 *	4	37	95	1,322 *
Lower Atlantic	68	22	46	--	--	-- *	196	--	--	26	290 *
DISTRICT 1 TOTAL											
FEB. 24, 1984	297	38	259	39	66	366	857	11	37	121	1,794
FEB. 17, 1984	215	19	196	--	43	414 *	874 *	19	42	41	1,648 *
FEB. 10, 1984	90	4	86	--	123	288	1,250	18	50	30	1,849
FEB. 3, 1984	205	59	146	--	91	417	770	5	118	119	1,725
DISTRICTS 2-4 TOTAL											
FEB. 24, 1984	41	23	18	--	--	20	60	195	127	57	500
FEB. 17, 1984	10	--	10	--	--	15	114	166	95	61	461
FEB. 10, 1984	11	2	9	--	--	11	57	181	143	132	535
FEB. 3, 1984	26	10	16	--	--	20	65	200	322	57	690
DISTRICT 5 TOTAL											
FEB. 24, 1984	9	2	7	--	4	8	17	20	--	12	70
FEB. 17, 1984	5	1	4	--	3	7	16	20	--	29	80
FEB. 10, 1984	9	2	7	--	2	5	15	21	--	6	58
FEB. 3, 1984	15	3	12	--	6	10	17	18	--	10	76
TOTAL U.S.											
	347	63	284	39	70	394	934	226	164	190	2,364
TOTAL U.S. Weeks Ended:											
FEB. 17, 1984	230	20	210	--	46	436 *	1,004 *	205	137	131	2,189 *
FEB. 10, 1984	110	8	102	--	125	304	1,322	220	193	168	2,442
FEB. 3, 1984	246	72	174	--	97	447	852	223	440	186	2,491
FEB. 25, 1983	154	90	64	--	15	132	1,017	292	136	169	1,915

¹Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

²Includes Grade No. 4 fuel oil.

³See definitional notes, Page 6.

* See revisions on page 7.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.

Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subsequent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.

The Total of crude oil imports includes receipts from Canada.

Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.

Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

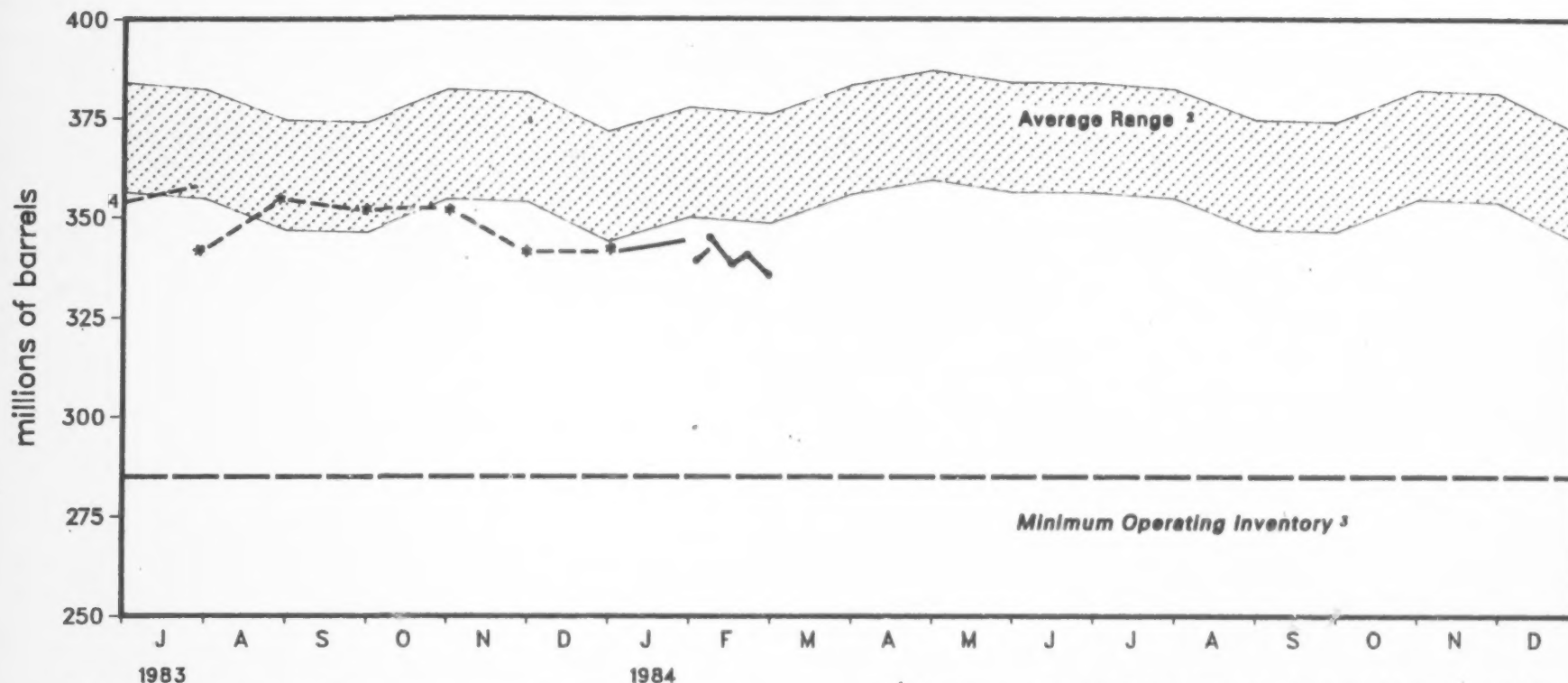
Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

REVISIONS

02/10/84	PAGE 1	TOTAL REFINERY INPUT	IND., ILL., KY	1,891
			DISTRICT 2 TOTAL	2,876
			TOTAL U.S.	13,002
			DISTRICTS 1-4	10,727
02/17/84	PAGE 5	DISTILLATE (INC. NO. 4)	CENTRAL ATLANTIC	259
			LOWER ATLANTIC	155
			DISTRICT 1 TOTAL	414
			TOTAL U.S.	436
		RESIDUAL FUEL	CENTRAL ATLANTIC	679
			DISTRICT 1 TOTAL	874
			TOTAL U.S.	1,004
		TOTAL	CENTRAL ATLANTIC	1,203
			LOWER ATLANTIC	393
			DISTRICT 1 TOTAL	1,648
			TOTAL U.S.	2,189

Crude Oil Stocks at Primary Level ^{1 5}



¹ Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

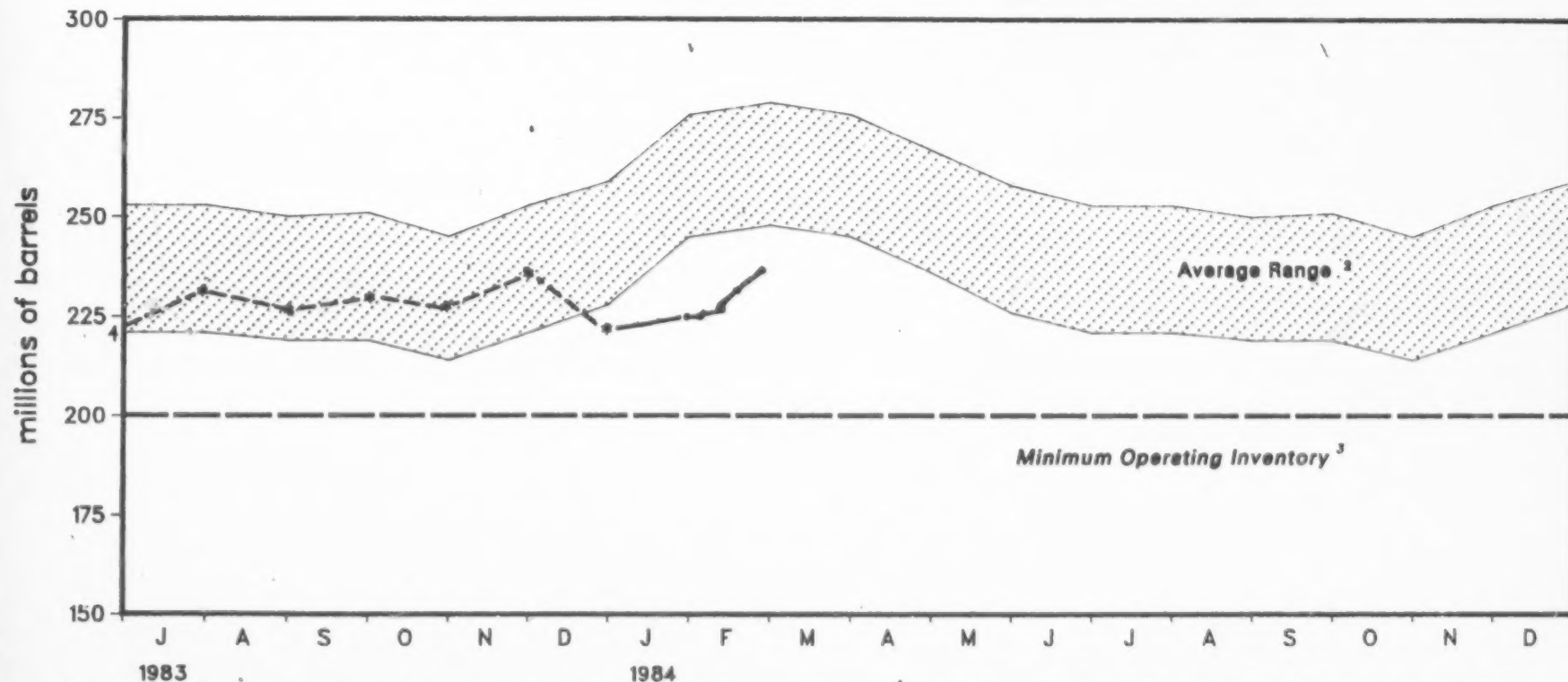
² Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1980 - June 1983. The seasonal pattern is based on seven years of monthly data: January 1976 - December 1982.

³ The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for crude oil at 285 million barrels.

⁴ Source: * -- EIA, Energy Data Reports, Petroleum Statement, Monthly.
• -- API, Weekly Statistical Bulletin.

⁵ The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.

Motor Gasoline Stocks at Primary Level ¹ ⁵



¹ Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

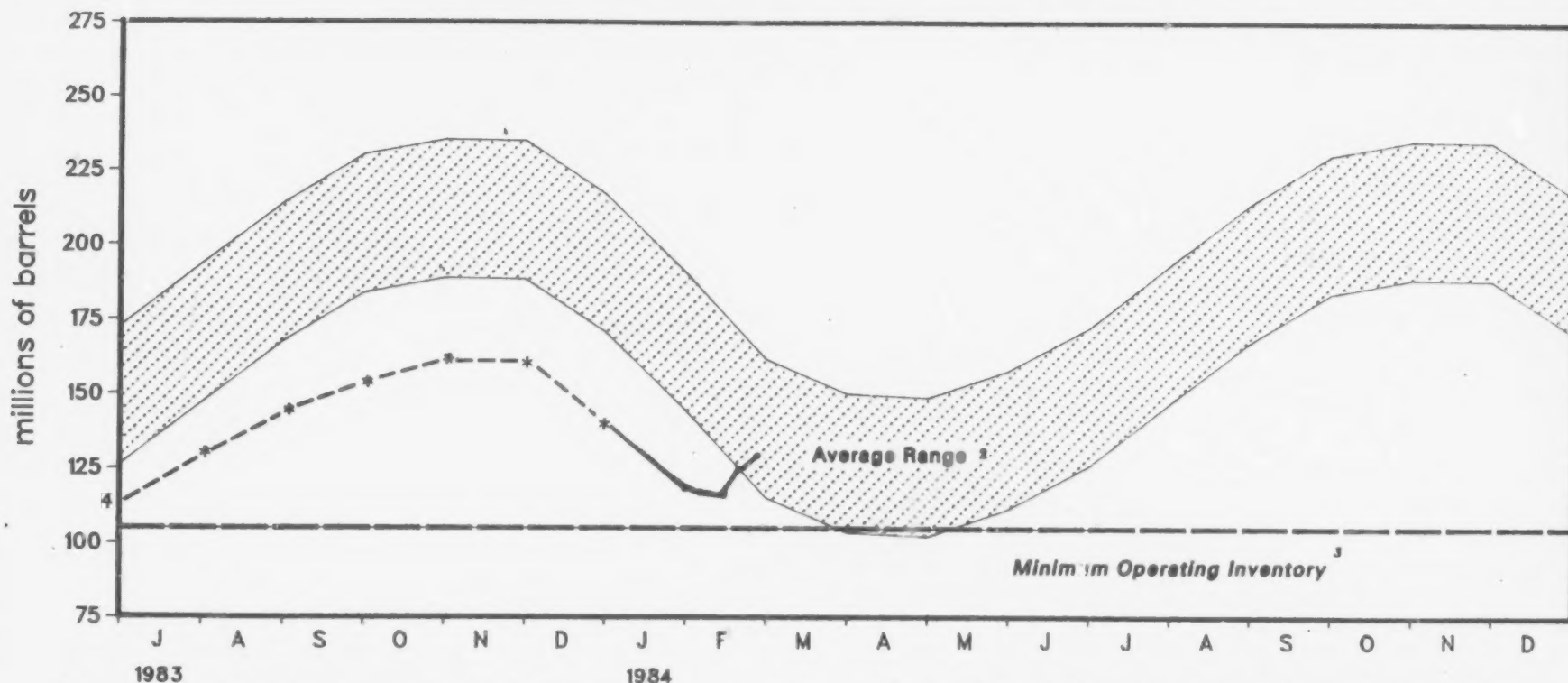
² Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1980 - June 1983. The seasonal pattern is based on seven years of monthly data: January 1976 - December 1982.

³ The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for motor gasoline at 200 million barrels.

⁴ Source: * -- EIA, Energy Data Reports, Petroleum Statement, Monthly.
* -- API, Weekly Statistical Bulletin.

⁵ The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.

Distillate Fuel Oil Stocks at Primary Level ^{1 5}



¹ Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

² Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1980 - June 1983. The seasonal pattern is based on seven years of monthly data: January 1976 - December 1982.

³ The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for distillate fuel oil at 105 million barrels.

⁴ Source: • -- EIA, Energy Data Reports, Petroleum Statement, Monthly.
• -- API, Weekly Statistical Bulletin.

⁵ The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.